

Converting Colors

CIELCh(95, 69.444, 101.270)

Have a look what the booklet for
CIELCh(95, 69.444, 101.270)
contains.

CIELCh(95, 69.468, 101.293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(95, 69.468, 101.293)

Conversions

Conversions Part 1

Format	Color
Hex	FFF566
RGB	255, 245, 102
RGB Percent	100%, 96%, 40%
CMY	0.0000, 0.0387, 0.5995
CMYK	0.00, 0.04, 0.60, 0.00
HSL	56°, 100%, 70%
HSV	56°, 60%, 100%
XYZ	76.3751, 87.6183, 25.4858
YIQ	231.6880, 51.8630, -42.3530

Conversions

Conversions Part 2

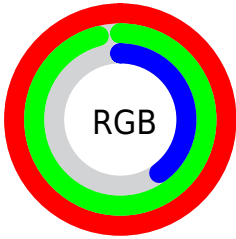
Format	Color
R _Y B	113, 255, 102
Decimal	16774502
CIE Lab	95.00, -13.60, 68.12
CIE LCh	95, 69.468, 101.293
Yxy	87.6183, 0.4031, 0.4624
Android (android.graphics.Color)	4294964582 (0xFFFFF566)
YUV	231.6880, -63.9362, 20.4446
Hunter-Lab	93.6047, -18.1642, 49.3804

Details

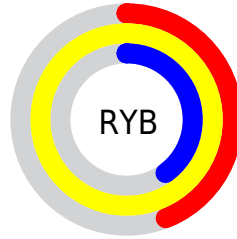
The CIELCh color **95, 69.468, 101.293** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **54, 81.753, 297.480**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **75, 69.408, 101.382** is the 20% darker color. If you saturate the color by 10%, you get **94, 78.618, 100.455**, and if you desaturate by 10%, it is **96, 59.017, 102.298**.

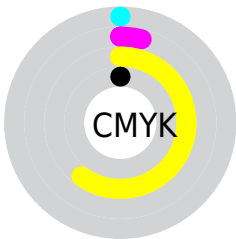
Distribution



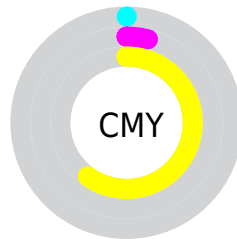
- Red (100%)
- Green (96%)
- Blue (40%)



- Red (44%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 69.468, 101.293 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 95, 69.468, 101.293 by changing the saturation by 10% instead.


 95, 69.468,
101.293


 95, 69.468,
101.293


 100, 69.468,
101.293


 85, 69.468,
101.293

 75, 69.468,
101.293

 65, 69.468,
101.293

 55, 69.468,
101.293

 45, 69.468,
101.293

 35, 69.468,
101.293

 25, 69.468,

101.293

■ 15, 69.468,
101.293

■ 5, 69.468, 101.293

■ 95, 69.468,
101.293

■ 95, 69.468,
101.293

■ 94, 78.618,
100.455

■ 96, 59.017,
102.298

■ 94, 85.822, 99.679

■ 96, 47.772,
103.310

■ 93, 90.428, 99.026

■ 97, 36.066,
104.349

■ 93, 92.397, 98.482

■ 93, 92.404, 98.480

■ 98, 24.112,
105.396

■ 99, 12.041,
106.432

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



95, 69.468, 101.293



54, 81.753, 297.480

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 69.468, 101.293



95, 69.468, 151.293



95, 69.468, 281.293



95, 69.468, 331.293

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



95, 69.465, 101.337



98, 21.759, 105.600



63, 63.979, 22.967



52, 15.110, 105.296



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 69.465, 101.337



94, 80.273, 100.286



93, 78.125, 123.978



53, 6.877, 106.478



72, 74.484, 98.559



25, 33.771, 99.289

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 81.753, 297.480



45, 99.899, 300.447



57, 87.105, 310.203



49, 7.013, 288.502



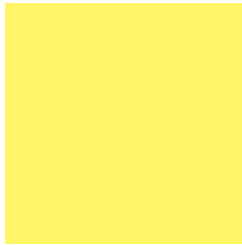
24, 104.887, 305.536



4, 42.075, 300.643

Previews

White Background



This preview shows how the CIELCh color 95, 69.468, 101.293 looks on a white background.

Color Contrast Check

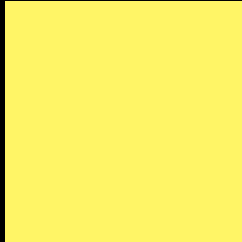
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 95, 69.468, 101.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 69.468, 101.293

Background



This preview shows how black text looks on a background with the CIELCh color 95, 69.468, 101.293.

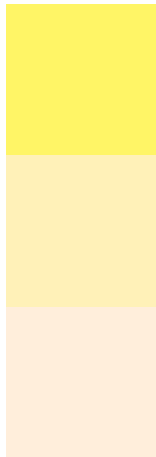


This preview shows how white text looks on a background with the CIELCh color 95, 69.468, 101.293.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
95, 69.468, 101.293

Protanopia
95, 29.526, 97.300

Deuteranopia
95, 11.570, 76.549

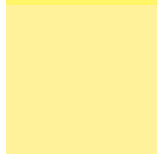


Tritanopia
95, 8.502, 347.064

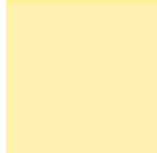
Trichromacy



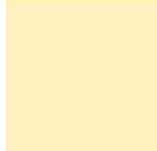
Original Color
95, 69.468, 101.293



Protanomaly
95, 44.680, 99.970



Deuteranomaly
95, 33.492, 98.151

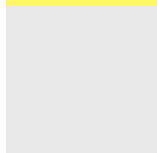


Tritanomaly
95, 24.783, 93.932

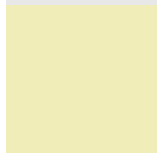
Monochromacy



Original Color
95, 69.468, 101.293



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 26.603, 105.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 69.468, 101.293 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 245, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 245, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 69.468, 101.293 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 245, 102) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 245, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 245, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 69.468, 101.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
245, 102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor